



FIG. 2 (RELATED ART)

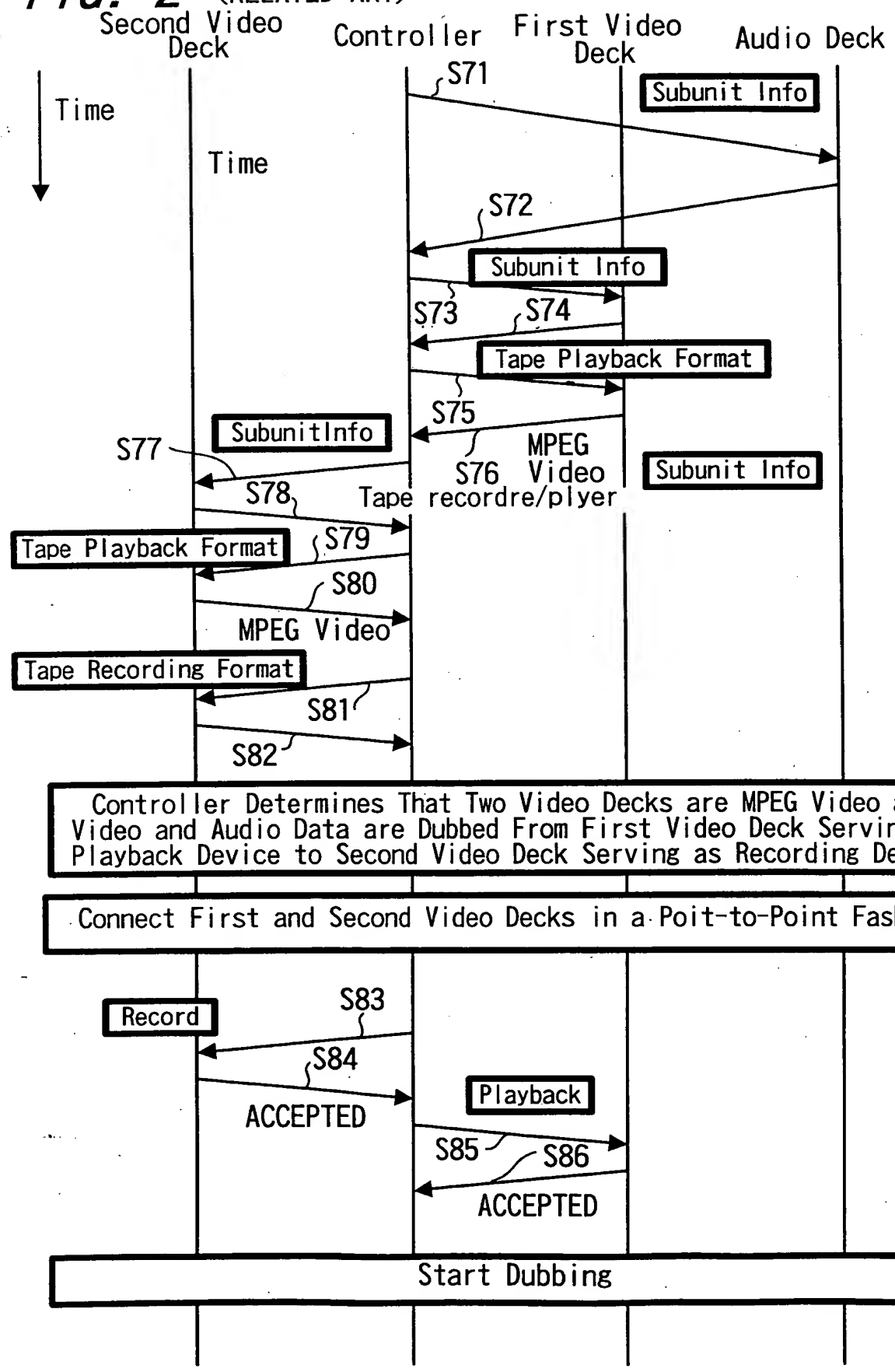
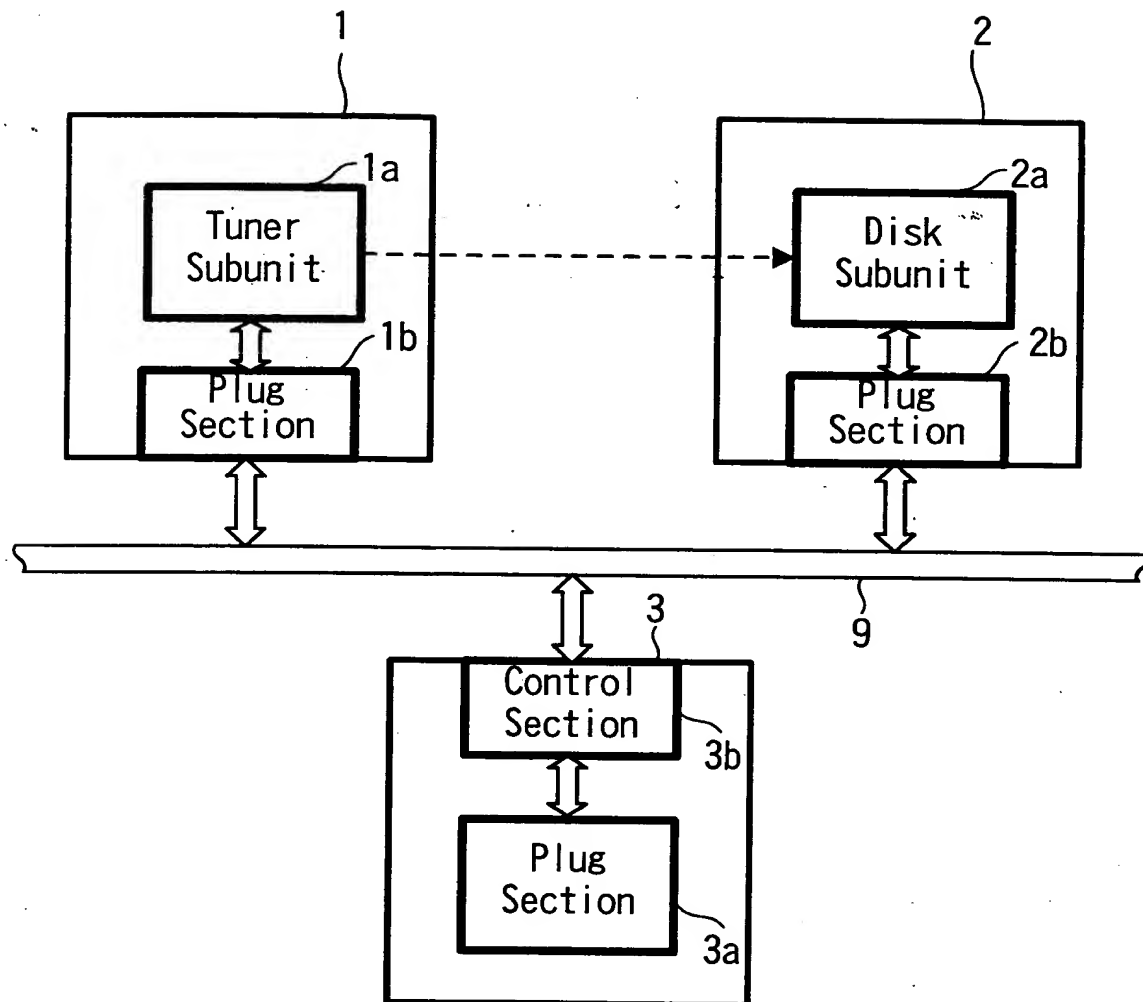
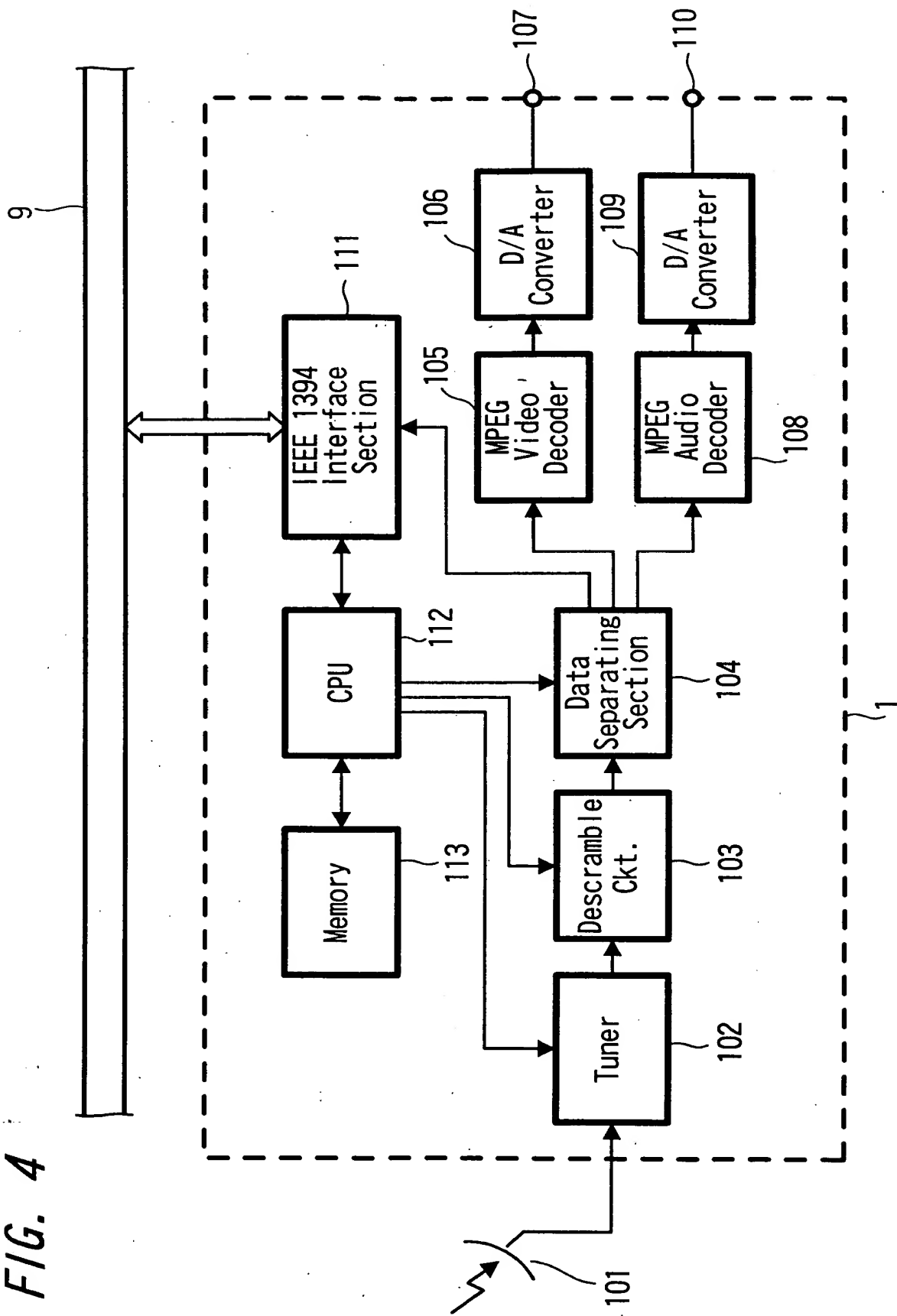


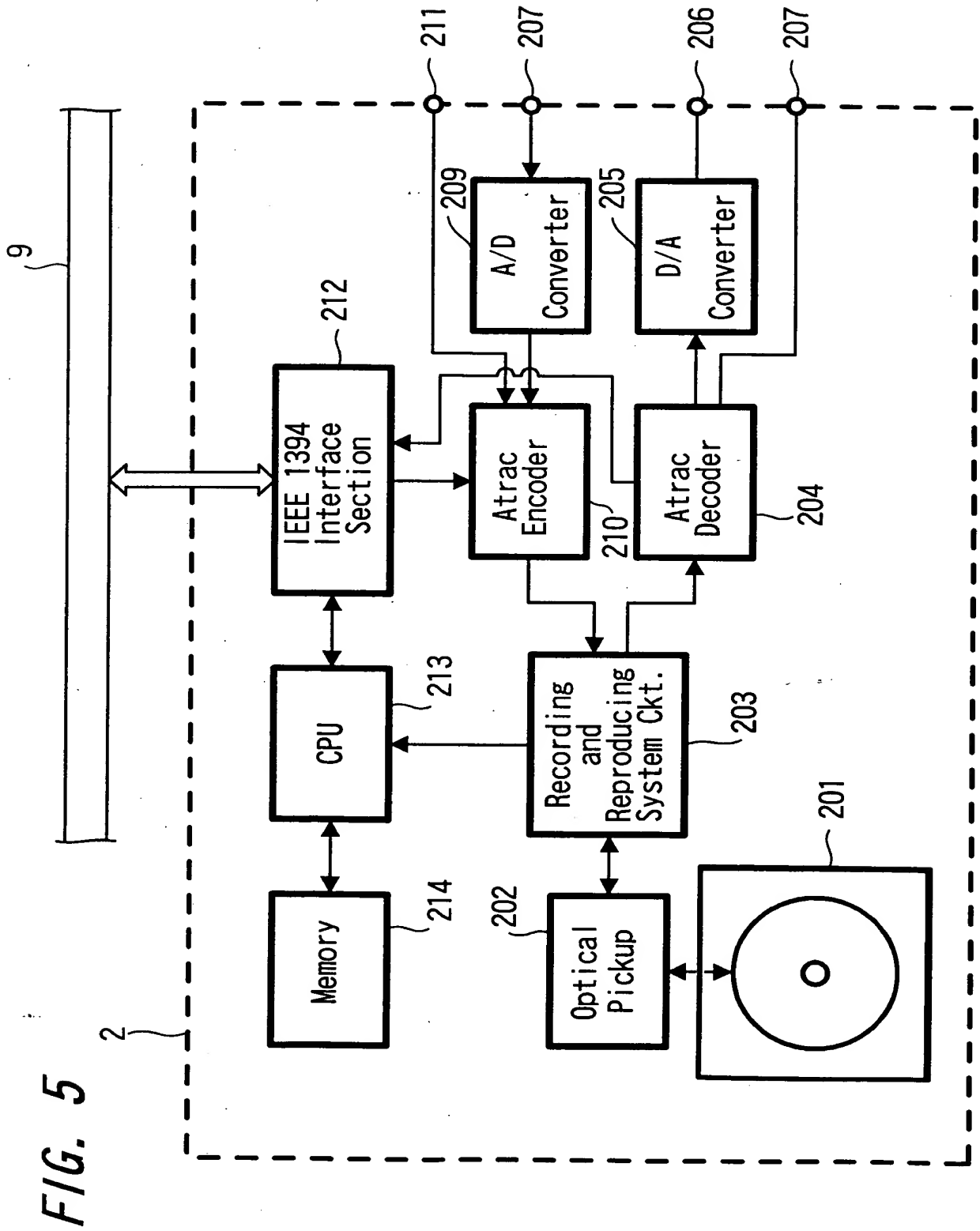
FIG. 3



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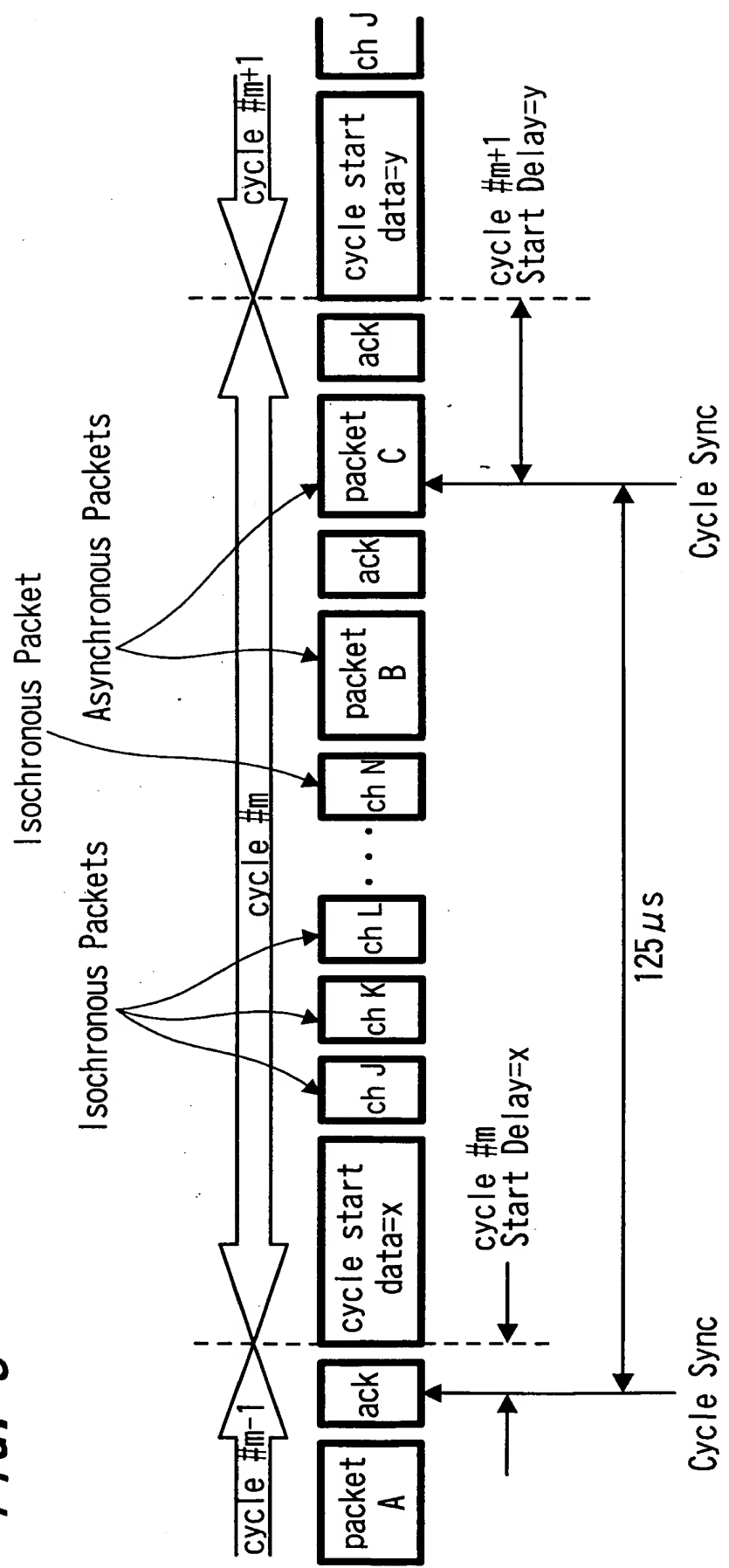
FIG. 4





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FIG. 6



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FIG. 7

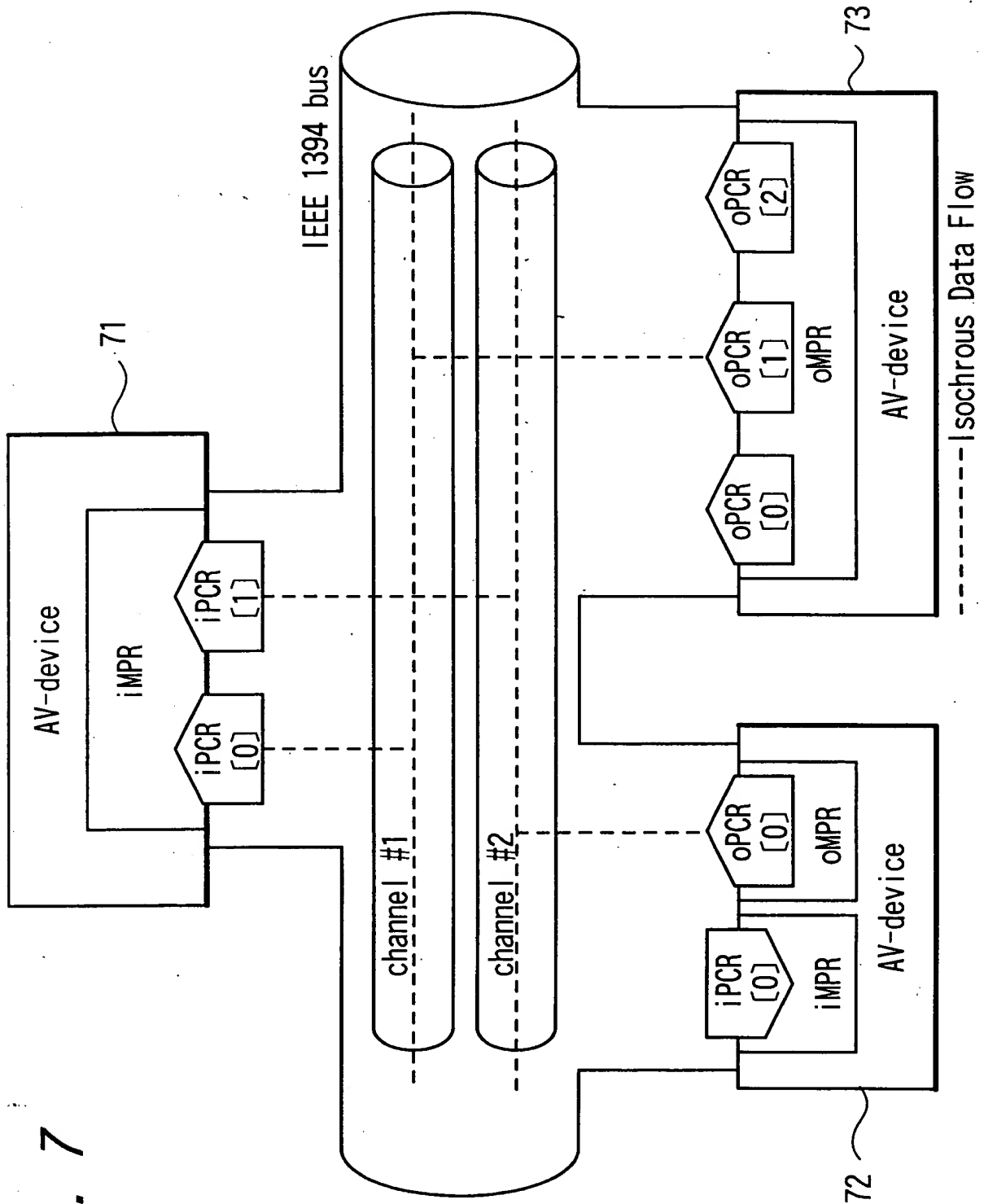
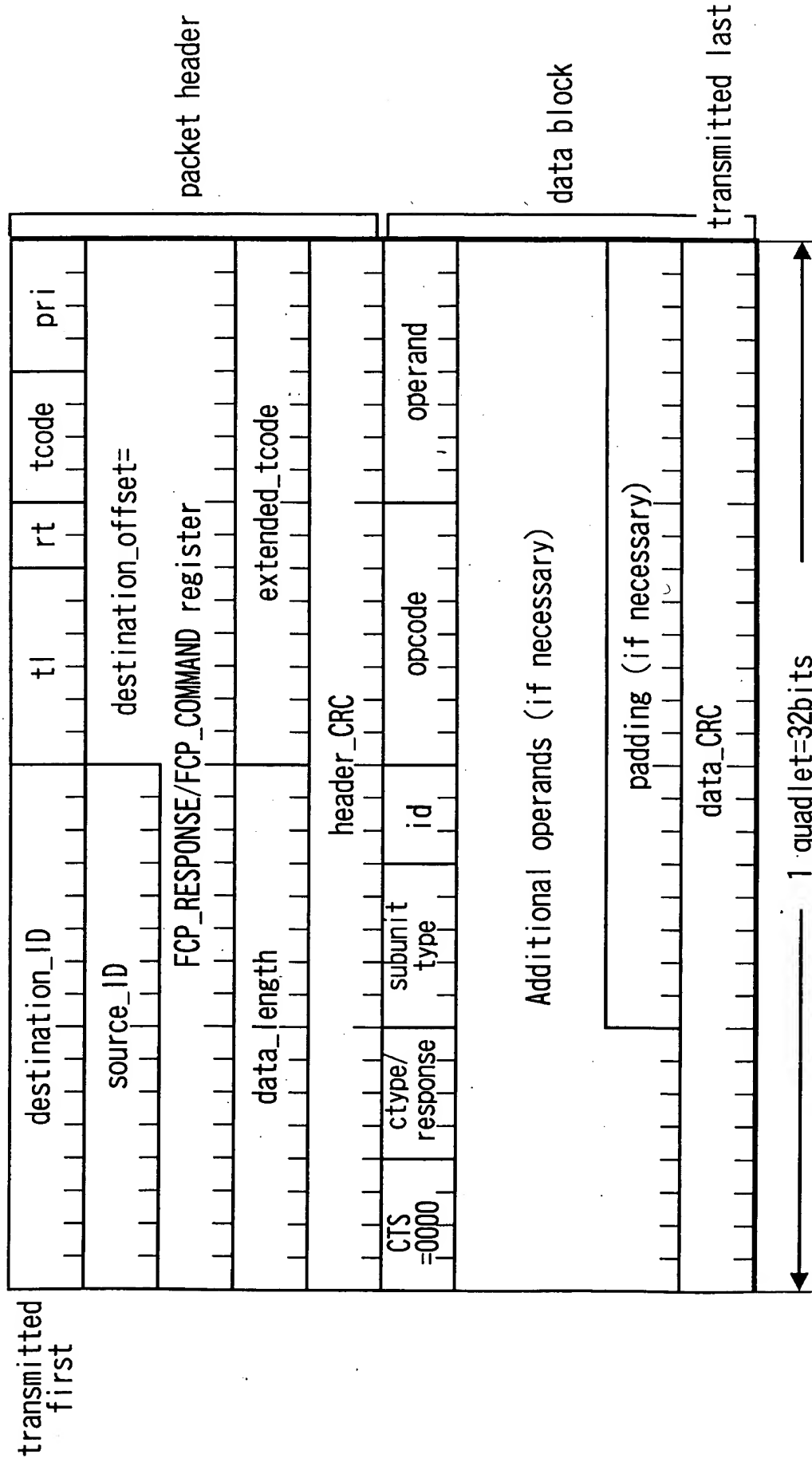


FIG. 8

Asynchronous Packet(Write Request for Data Block)



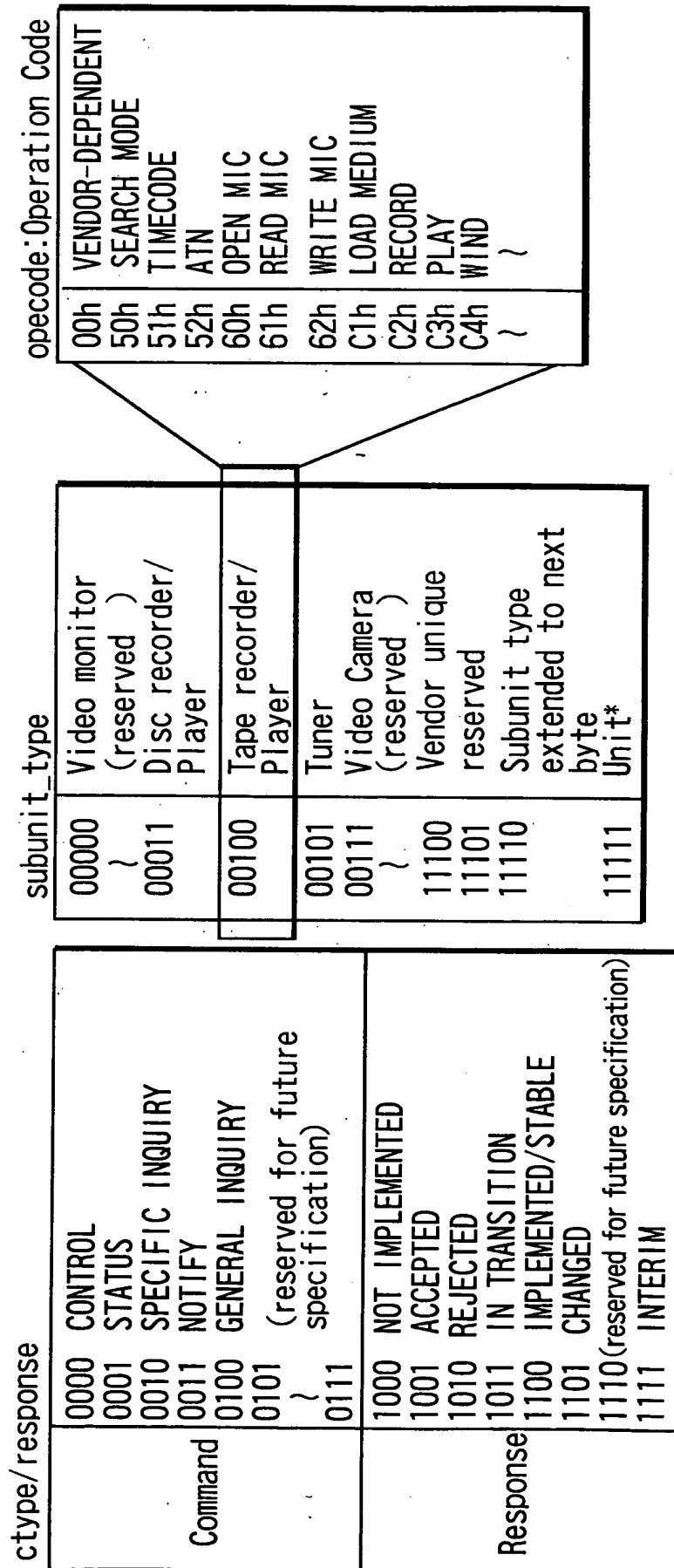
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Scanned with CamScanner



FIG. 9A

FIG. 9B

FIG. 9C



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**FIG. 10**

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	node_ID						
operand[2]							
operand[3]	output_plug						
operand[4]	path_chg	reserved			1	1	1

**FIG. 11**

operand[2]	connected_plug_ID
0-1E <sub>16</sub>	Serial Bus oPCR[0]-oPCR[30]
1F <sub>16</sub> -7F <sub>16</sub>	Reserved
80 <sub>16</sub> -9E <sub>16</sub>	External output plug 0-30
9F <sub>16</sub> -FF <sub>16</sub>	Reserved

**FIG. 12**

value	
0	No Path Change Data
1	Path Change Data

**FIG. 13**

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	connected_node_ID						
operand[2]							
operand[3]	connected_plug						
operand[4]	path_chg	reserved			result_status		

**FIG. 14**

value	input_plug
0-1E <sub>16</sub>	Serial Bus plug zero-30
1F <sub>16</sub> -7F <sub>16</sub>	Reserved for future specification
80 <sub>16</sub> -9E <sub>16</sub>	External plug zero-30
9F <sub>16</sub> -FF <sub>16</sub>	Reserved for future specification
FF <sub>16</sub>	(not applicable for ACCEPTED response)

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12 of 19

**FIG. 15**

value	meaning	return
0000	succeeded	ACCEPTED
0001	ready	ACCEPTED
0010	busy	ACCEPTED
0011	failed	ACCEPTED
0100	disabled	REJECTED
0101	locked	REJECTED
0110	p-to-p(not owner)	REJECTED
0111	insufficient resource	REJECTED
1000	source not found	REJECTED
1001	not selected	REJECTED
1010	not registered	REJECTED
1011-1100	reserved	
1101	any other reason	REJECTED
1110	no information	INTERIM
1111	busy	INTERIM

FIG. 16

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	FF16						
operand[2]							
operand[3]							
operand[4]							

FIG. 17

	msb						lsb
opcode	INPUT SELECT (2916)						
operand[0]	input_plug						
operand[1]	connected_node_ID						
operand[2]							
operand[3]	connected_plug						
operand[4]	reserved			status			

FIG. 18

value	meaning
0000	reserved
0001	Connection is Active(without specific node ID)
0010	Connection is Busy(with specific node ID)
0011	Connection is ready(with specific node ID)
0100	transfer format incompatible
0101	source device is not selected
0110-1111	reserved

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FIG. 19

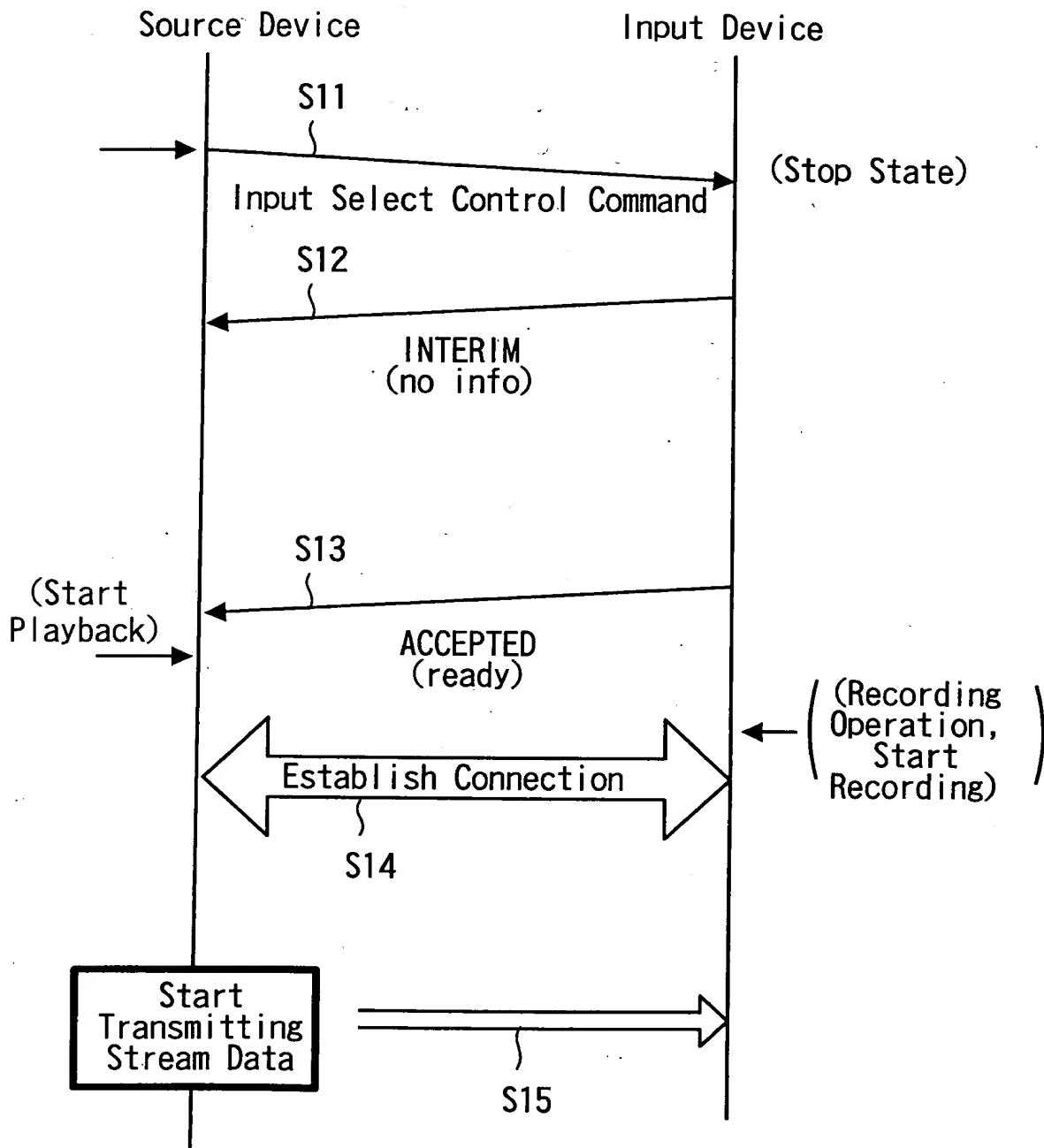
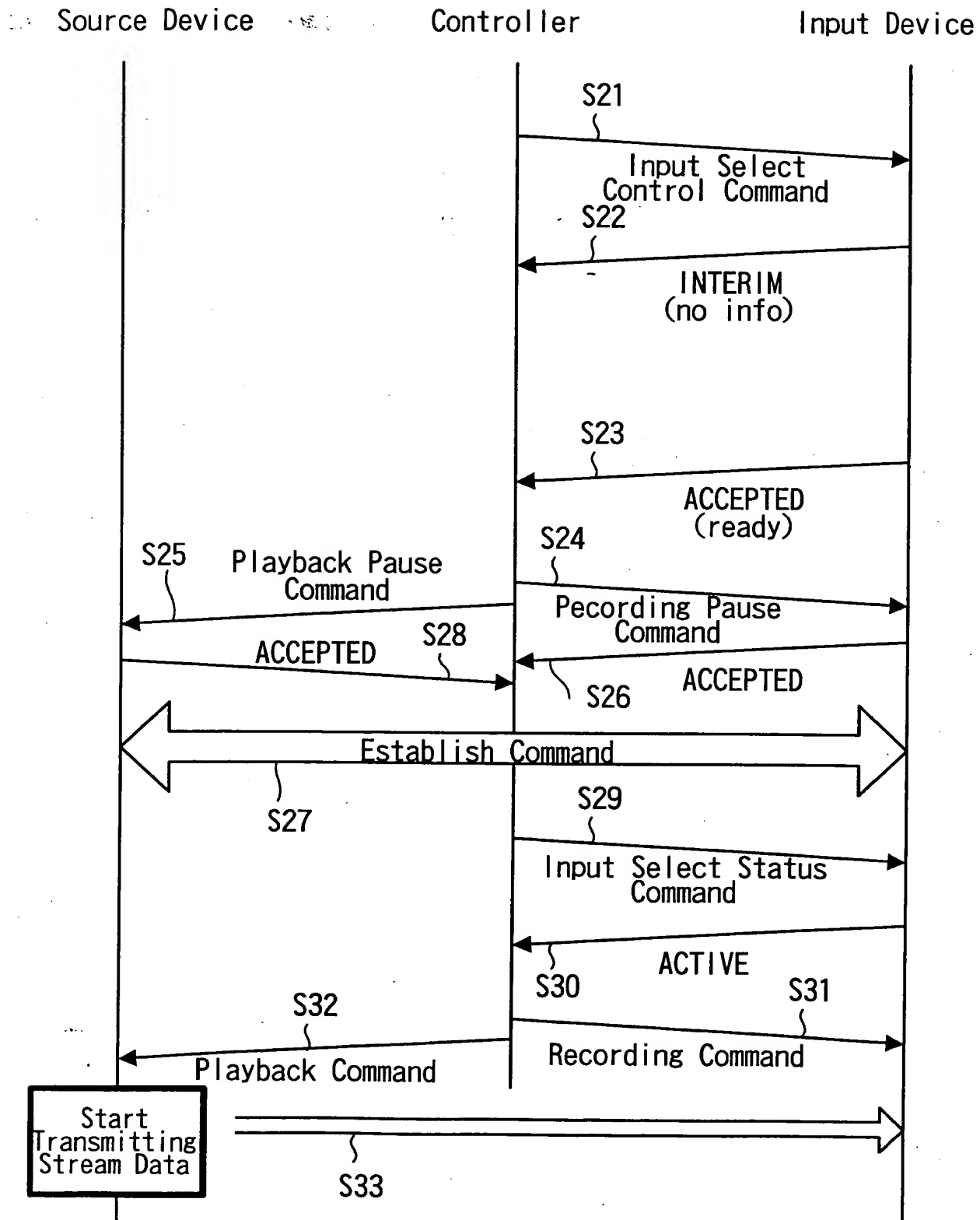


FIG. 20



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FIG. 21

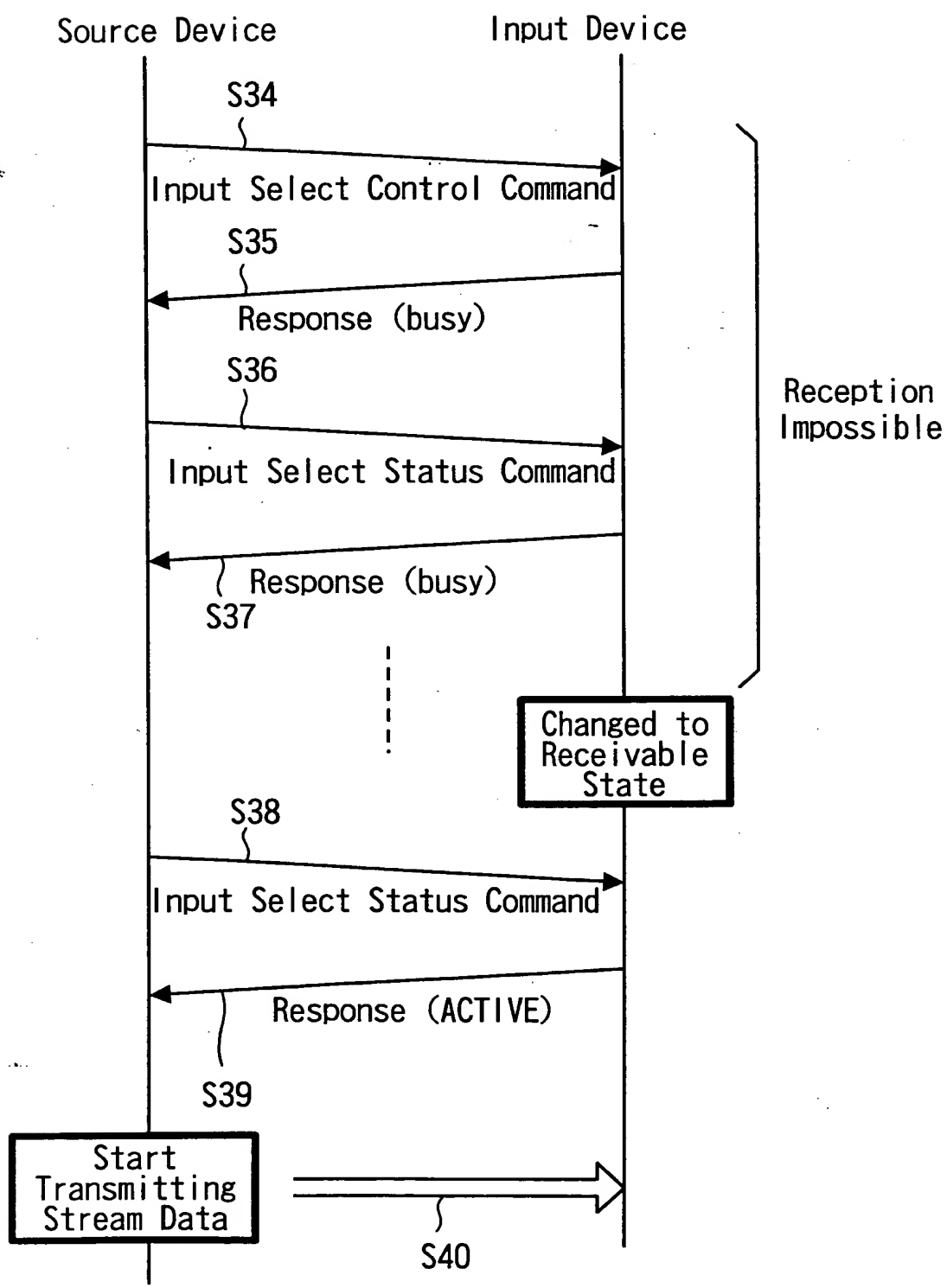
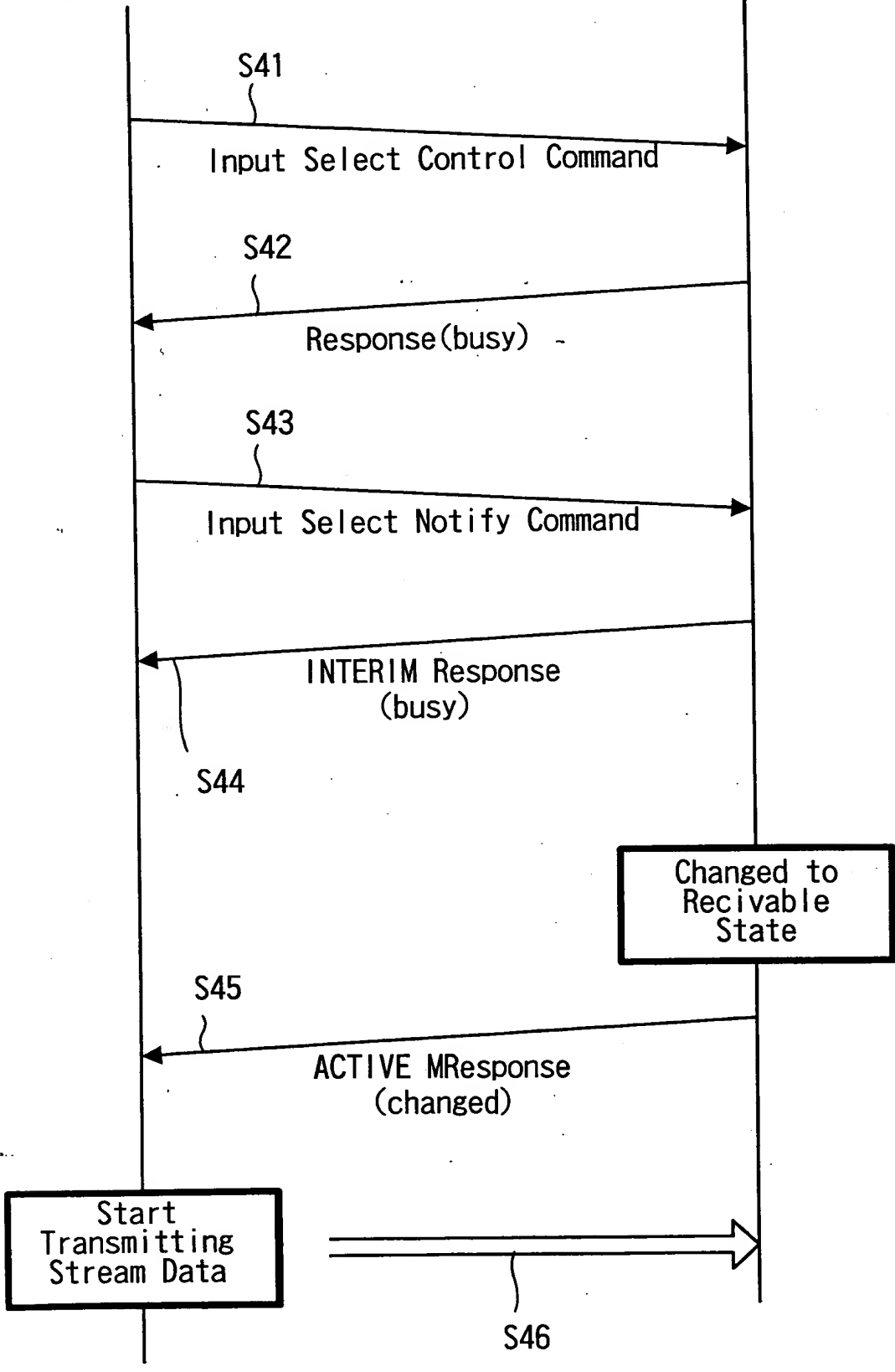




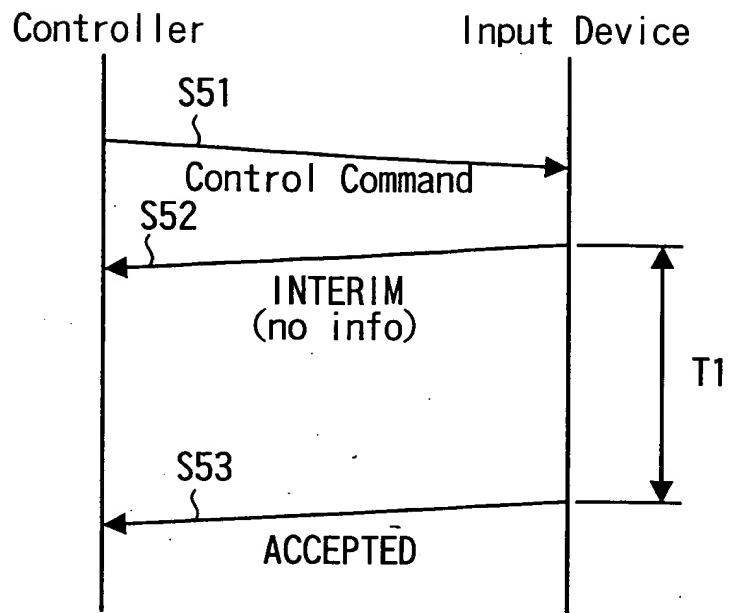
FIG. 22

Source Device                      Input Device

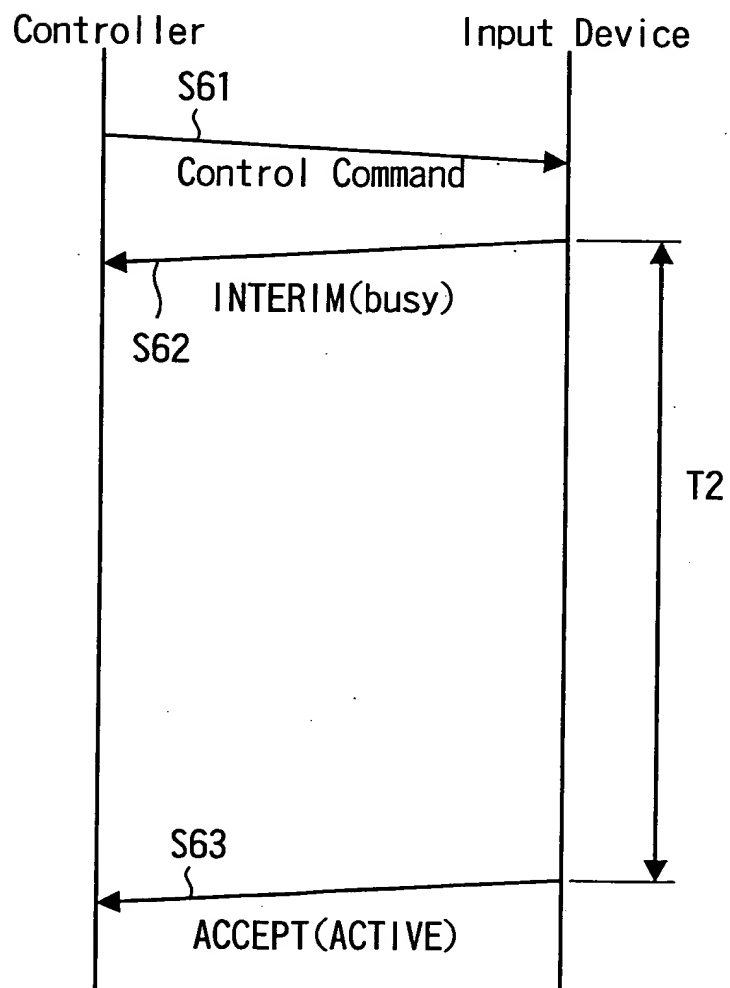


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**FIG. 23**



**FIG. 24**



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FIG. 25

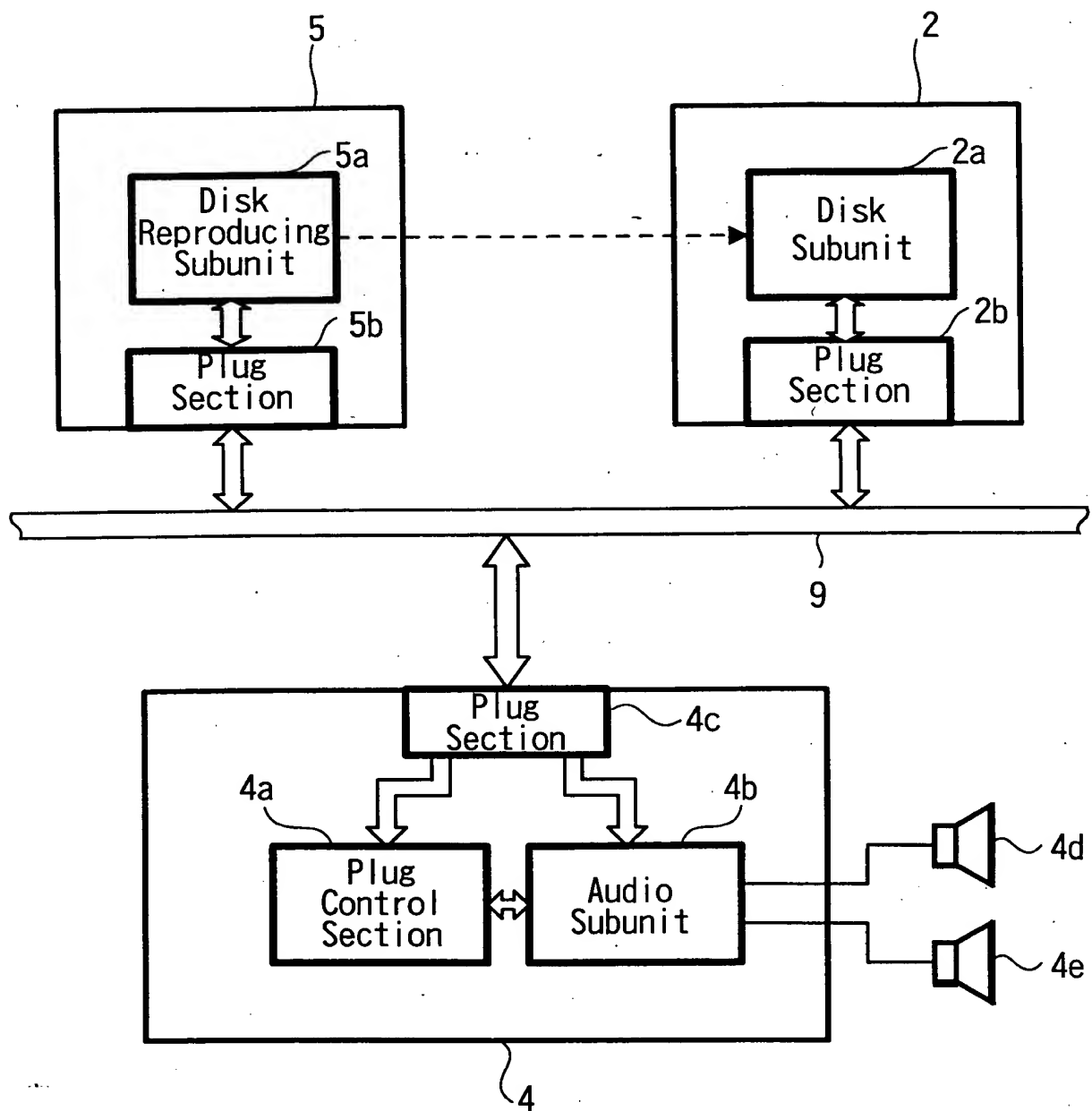
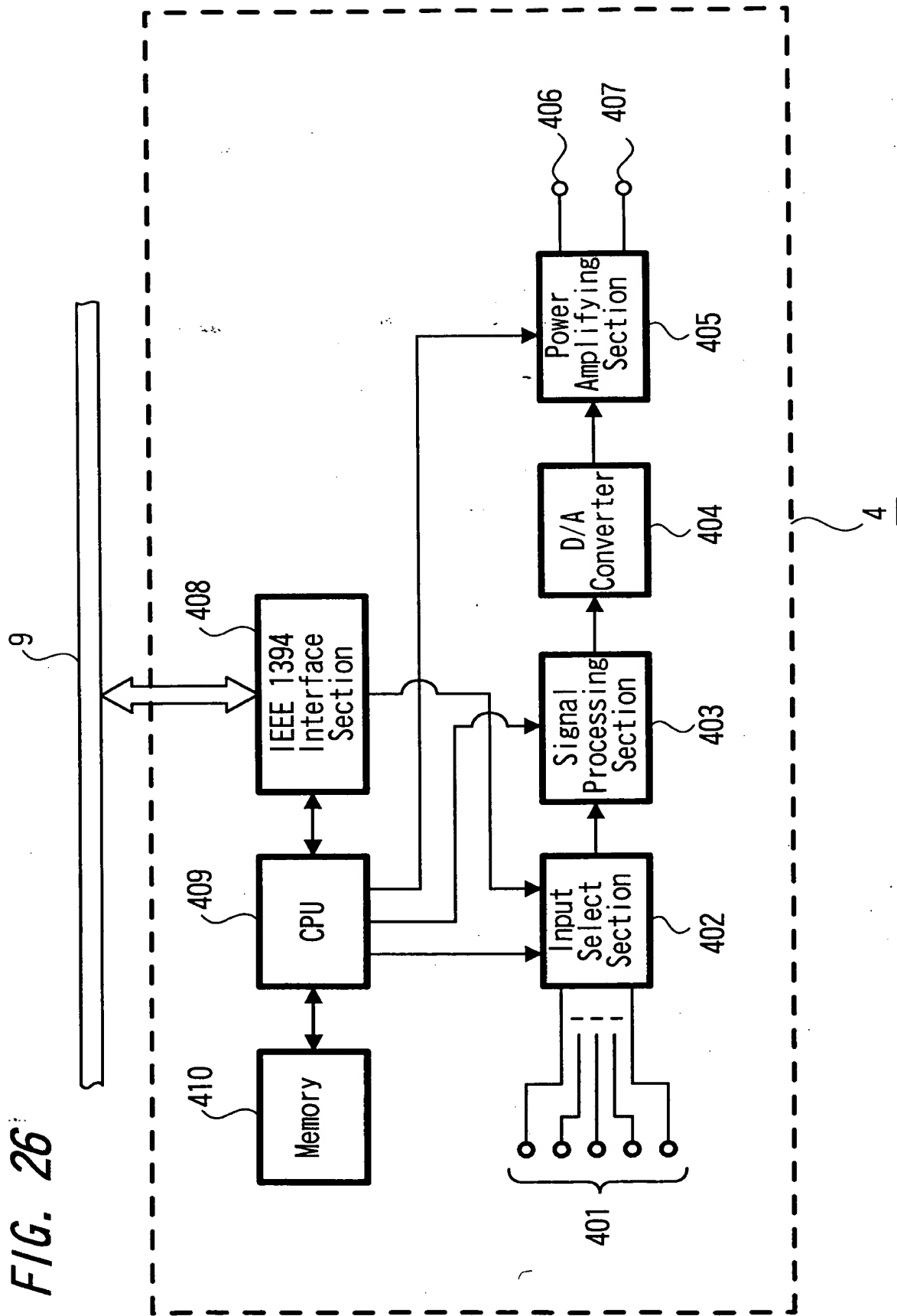
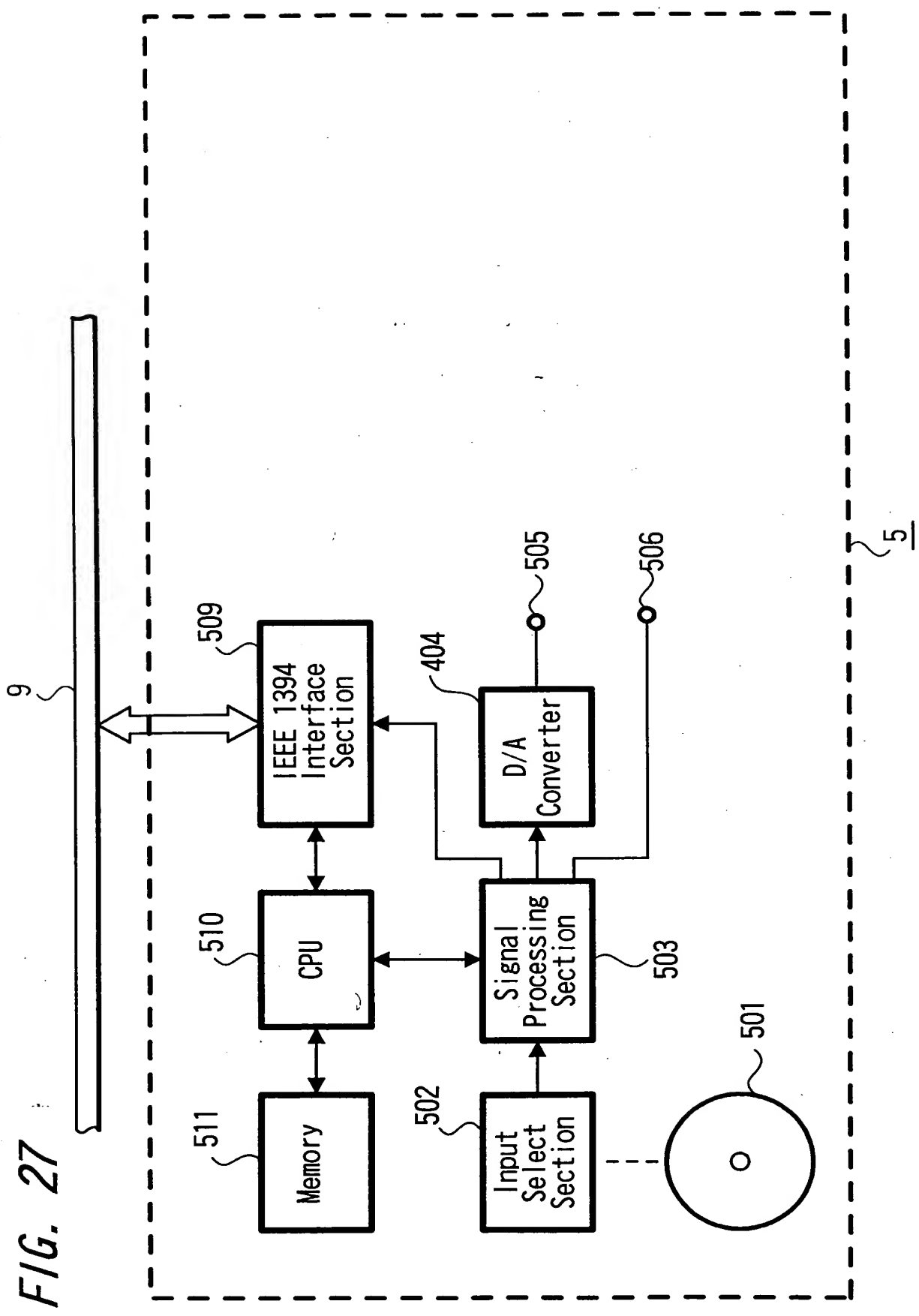


FIG. 26



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**FIG. 28**

	msb							
opcode	INPUTSELECT(1B6)							
operand [0]	subfunction							
operand [1]	reserved				F16			
operand [2]	node_ID							
operand [3]								
operand [4]	Output_plug							
operand [5]	input_plug							
operand [6]								
operand [7]	signal_destination_plug							
operand [8]	reserved							

**FIG. 29**

Value	subfunction	Meaning
0 <sub>16</sub>	Connect	Establish Connection With Output Device
1 <sub>16</sub>	Path change	Change Path in the State in Which Device is Selected
2 <sub>16</sub>	Select	Select Device But do Not Establish Connection
3 <sub>16</sub>	disconnect	Disconnect Connection With Output Device

**FIG. 30**

Value	output_plug
00 <sub>16</sub> -1E <sub>16</sub>	Serial Bus oPCR [0] _oPCR [30]
1F <sub>16</sub> -7E <sub>16</sub>	Reserved
7F <sub>16</sub>	Not applicable
80 <sub>16</sub> -9E <sub>16</sub>	External output plug0-30
9F <sub>16</sub> -FD <sub>16</sub>	Reserved
FE <sub>16</sub>	Invalid
FF <sub>16</sub>	Any available external output plug

**FIG. 31**

Value	output_plug
00 <sub>16</sub> –1E <sub>16</sub>	Serial Bus oPCR [0] _oPCR [30]
1F <sub>16</sub> –7F <sub>16</sub>	Reserved
7F <sub>16</sub>	Any available Serial Bus oPCR [x]
80 <sub>16</sub> –9E <sub>16</sub>	External output plug0–30
9F <sub>16</sub> –FD <sub>16</sub>	Reserved
FE <sub>16</sub>	Invalid
FF <sub>16</sub>	Any available External output plug

FIG. 32

Value	signal_destination_plug
00 <sub>16</sub> –1E <sub>16</sub>	Destination plug0–30
1F <sub>16</sub> –FD <sub>16</sub>	Reserved
FE <sub>16</sub>	Invalid
FF <sub>16</sub>	Any available Destination plug

**FIG. 33**

	msb							
opcode	INPUTSELECT(1B6)							
operand [0]	subfunction							
operand [1]	reserved				result_status			
operand [2]	node_ID							
operand [3]								
operand [4]	Output_plug							
operand [5]	input_plug							
operand [6]	signal_destination							
operand [7]								
operand [8]	reserved							

**FIG. 34**

Value	result_status	Return Command Type
0 <sub>16</sub>	no error	ACCEPTED
1 <sub>16</sub>	disabled	REJECTED
2 <sub>16</sub>	locked	REJECTED
3 <sub>16</sub>	p-to-p(not owner)	REJECTED
4 <sub>16</sub>	insufficient resource	REJECTED
5 <sub>16</sub>	source not found	REJECTED
6 <sub>16</sub>	not selected	REJECTED
7 <sub>16</sub>	not registered	REJECTED
8 <sub>16</sub> -D <sub>16</sub>	reserved	
E <sub>16</sub>	any other reason	REJECTED
F <sub>16</sub>	no information	INTERIM

**FIG. 35**

Value	input_plug
00 <sub>16</sub> -1E <sub>16</sub>	Serial Bus plug zero-30
1F <sub>16</sub> -7E <sub>16</sub>	Reserved for future specification
7F <sub>16</sub>	Not applicable
80 <sub>16</sub> -9E <sub>16</sub>	External plug zero-30
9F <sub>16</sub> -FD <sub>16</sub>	Reserved for future specification
FE <sub>16</sub>	Invalid
FF <sub>16</sub>	not applicable for ACCEPTED response



**FIG. 36**

	msb						lsb
opcode	SIGNAL SOURCE(1A <sub>16</sub> )						
operand [0]	FF <sub>16</sub>						
operand [1]	FF <sub>16</sub>						
operand [2]	FF <sub>16</sub>						
operand [3]	signal_destination						
operand [4]							

**FIG. 37**

	msb						lsb
opcode	SIGNAL_SOURCE(1A <sub>16</sub> )						
operand [0]	output_status		conv	signal_status			
operand [1]	signal_source						
operand [2]							
operand [3]	signal_destination						
operand [4]							

**FIG. 38**

Value	output_status
0 <sub>16</sub>	effective packet output
1 <sub>16</sub>	not effective
2 <sub>16</sub>	insufficient resource
3 <sub>16</sub>	ready
4 <sub>16</sub>	virtual output
5 <sub>16</sub>	reserved

**FIG. 39**

Value	Meanig
0	Format of Signal Outputted From Destination Plug Cannot be Changed
1	Format of Signal Outputted From Destination Plug Can be Changed

FIG. 41

msb			lsb
processed	filtered	converted	OSD overlaid

**FIG. 41**

Value	source_plug_ID
00 <sub>16</sub> –1E <sub>16</sub>	Serial bus iPCR [0] –iPCR [30]
1F <sub>16</sub> –7F <sub>16</sub>	Reserved
80 <sub>16</sub> –9E <sub>16</sub>	External input plug 0–30
9F <sub>16</sub> –FB <sub>16</sub>	Reserved
FC <sub>16</sub> –FE <sub>16</sub>	Used for other purposes
FF <sub>16</sub>	Not applicable

FIG. 42

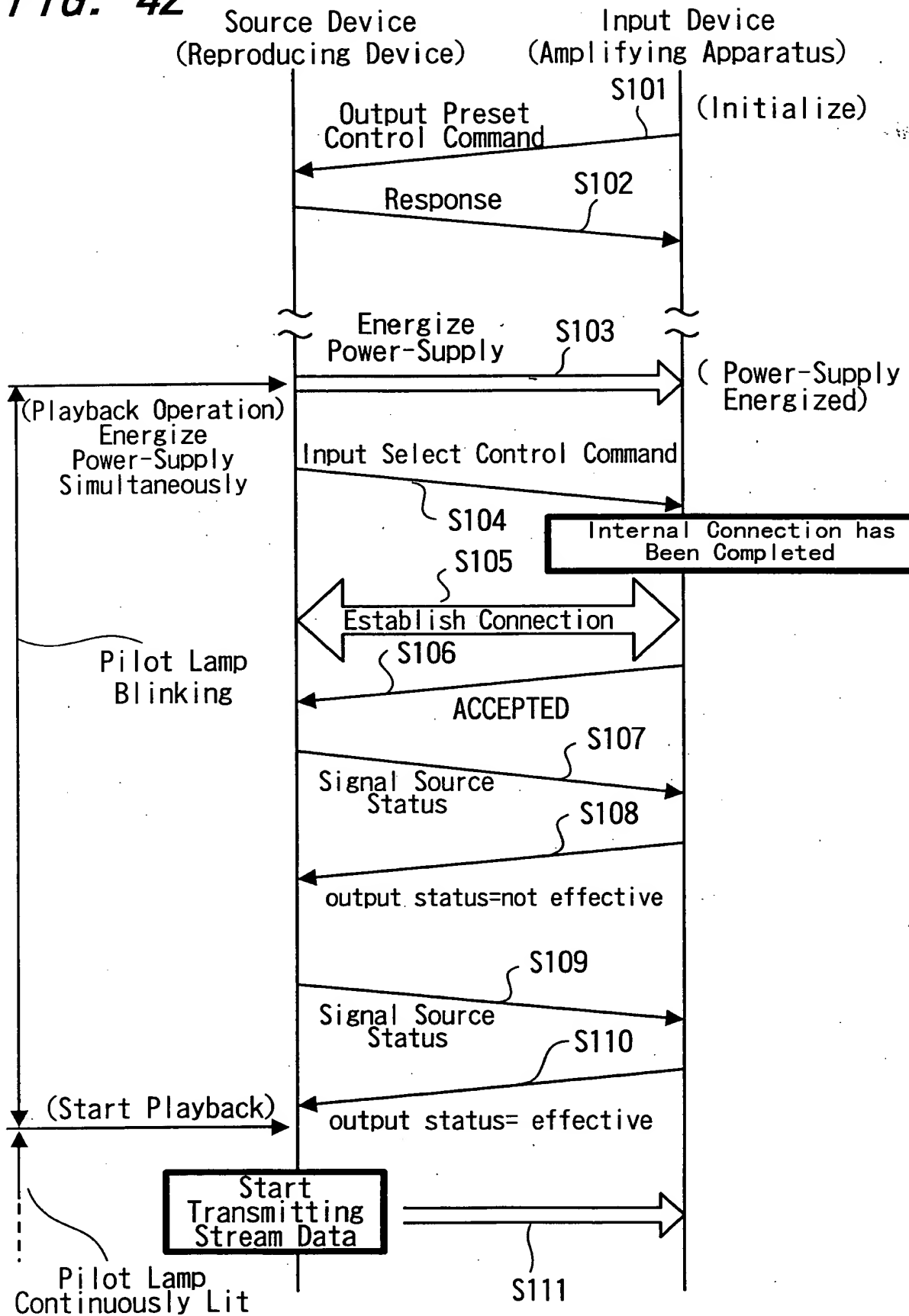
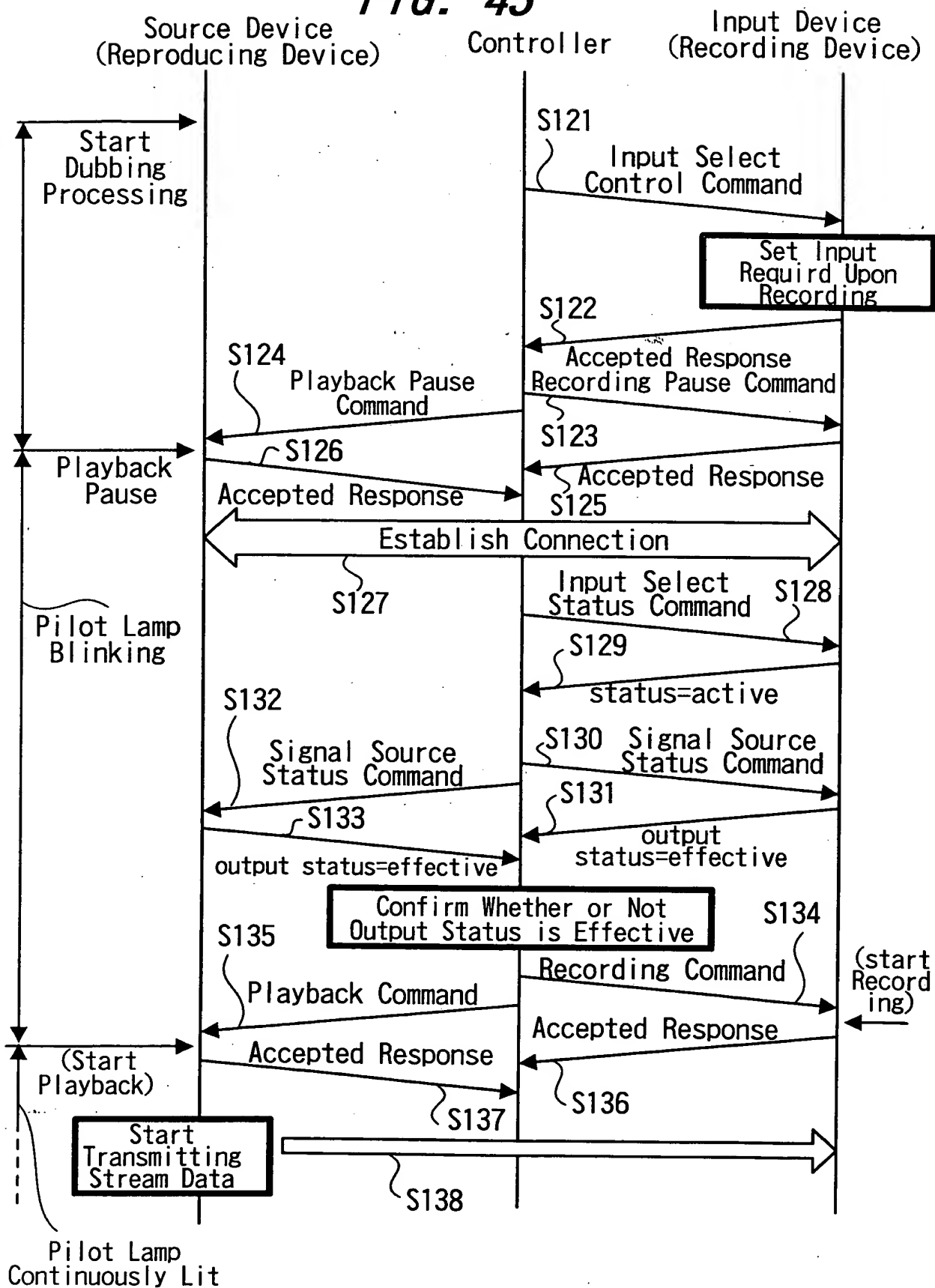


FIG. 43



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FIG. 44

